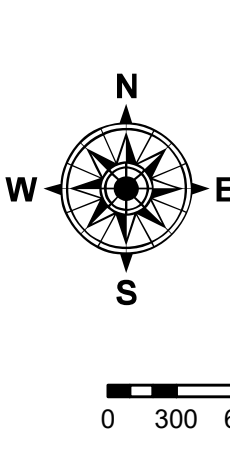


LEGEND			
- - - Federal Navigation Channel	○ Cable Area	■ Shoaling Area	■ 0' and above
- Federal Navigation Center Line	□ Placement Area	● Shoalest Sounding**	■ 0' to -5'
- As-built Pipeline/Cable	□ Anchorage Area	★ Beacon, General	■ -5' to -9'
⋯ Unconfirmed Pipeline/Cable	⊗ Obstruction Point	◆ Red Navigation Buoy	□ -9' and below
- Project Depth Contour	⚓ Wrecks-Submerged	◆ Green Navigation Buoy	



LWRP: 14.6
 Gage Reading: KNX:33.0RRL:30.8 USED: 31.7 NGVD
 Sea Conditions: SMOOTH
 Vessel Name: OB189
 Survey Type: CS
 Sounding Frequency***: HIGH

NOTES:
 Horizontal Coordinate System:
 North American Datum of 1983 (NAD83), projected to the State Plane
 Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.
 Vertical Datum:
 Soundings are shown in feet and indicate depths below Low Water Reference Plane 2007 (NGVD).
 Distances on the Mississippi River, above and below Head of Passes are shown
 at 1 mile intervals.
 The location of navigation aids are base on and provided by the U.S. Coast Guard and USACE crew.
 2010 Aerial Photography data source: NAIP, USDA-FSA-APFO Aerial Photography Field Office.
 Reference is USACE IENC U35LM236.
 *** Shoalest Sounding per Quarter per Reach.
 *** High frequency (200 kHz) survey data represents the first signal return at a sounding
 location and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz)
 survey data normally penetrates through this "fluff" layer to depict elevations of consolidated bottom
 material. Low frequency accuracies may vary depending on channel conditions and fathometer
 settings.

DISCLAIMER: The data represented on this map is the result of a data collection process for a specific US Army Corps of Engineers project. It is only valid for its intended use, control, time and accuracy specifications. The user is responsible for the results of its use. The application of the data for other than its intended purpose is at the user's risk. Data Collection: Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging operations, sedimentation, and shifting sandbars. US Army Corps of Engineers does not warrant any liability for changes in the hydrographic conditions when developed after the date of publication. The information depicted on this map represents the results of a survey conducted on the date shown. It is considered to represent the general condition existing at that time.

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT			
Submitted:	Surveyed By: DS/JA	Plotted By: AO	Checked By: AC
Recommended:	Chief, Survey Section		
Approved:	Chief, Waterways Maintenance Section		

**MISSISSIPPI RIVER - SHALLOW DRAFT
 FORT ADAMS REACH
 MS_08_FAR_20180726_CS
 26 July 2018**

**Sheet Reference Number
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